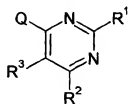


What is claimed is:

1. Pyrimidine derivatives represented by the formula (1),



(1)

wherein R<sup>1</sup> is H, C<sub>1</sub>-C<sub>6</sub>alkyl (being optionally substituted by one or more of halogen), C<sub>2</sub>-C<sub>6</sub>alkenyl (being optionally substituted by one or more of halogen), C<sub>2</sub>-C<sub>6</sub>alkynyl (being optionally substituted by one or more of halogen or trialkylsilyl), C<sub>1</sub>-C<sub>6</sub>alkoxy (being optionally substituted by one or more of halogen), C<sub>2</sub>-C<sub>6</sub>alkenyloxy (being optionally substituted by one or more of halogen), C<sub>2</sub>-C<sub>6</sub>alkynyloxy (being optionally substituted by one or more of halogen), C<sub>1</sub>-C<sub>6</sub>alkylthio (being optionally substituted by one or more of halogen), C<sub>1</sub>-C<sub>6</sub>alkylsulfinyl (being optionally substituted by one or more of halogen), C<sub>1</sub>-C<sub>6</sub>alkylsulfonyl (being optionally substituted by one or more of halogen), phenyl (being optionally substituted by one or more of halogen, alkyl, haloalkyl or alkoxy), pyridin-2-yl (being optionally substituted by one or more of halogen, alkyl, haloalkyl or phenyl), pyridin-3-yl (being optionally substituted by one or more of halogen, alkyl, haloalkyl or phenyl), pyridin-4-yl (being optionally substituted by one or more of halogen, alkyl, haloalkyl or phenyl), imidazol-1-yl (being optionally substituted by one or more of halogen, alkyl or alkoxy), pyrazol-1-yl (being optionally substituted by one or more of halogen, alkyl or alkoxy) or N(R<sup>4</sup>)C(O)R<sup>5</sup>,

R<sup>2</sup> is polyfluoroC<sub>1</sub>-C<sub>6</sub>alkyl,

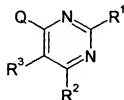
R<sup>3</sup> is fluorine, chlorine, bromine or iodine; ethenyl or ethynyl (being optionally substituted by one or more of halogen),

R<sup>4</sup> and R<sup>5</sup> are, independently, H, C<sub>1</sub>-C<sub>6</sub>alkyl (being optionally substituted by one or more of halogen); or R<sup>4</sup> and R<sup>5</sup> can join together to form a 5 or 6-membered ring,

Q is a heteroaromatic ring selected from the following ring system; imidazol-1-yl, pyrazol-1-yl, 1,2,3-triazol-1-yl, 1,2,3-triazol-2-yl, 1,2,4-triazol-1-yl, 1,2,4-triazol-4-yl,

benzimidazol-1-yl or tetrazol-5-yl groups (being optionally substituted by one or more of halogen, cyano, hydroxy, mercapto, alkyl, haloalkyl, alkoxy, alkoxycarbonyl, amino, alkylamino, haloalkoxy, alkylthio or aralkylthio).

2. A fungicide for agricultural and horticultural use, comprising one or more of pyrimidine derivatives represented by the formula (1)



(1)

wherein  $R^1$  is H,  $C_1$ - $C_6$ alkyl (being optionally substituted by one or more of halogen),  $C_2$ - $C_6$ alkenyl (being optionally substituted by one or more of halogen),  $C_2$ - $C_6$ alkynyl (being optionally substituted by one or more of halogen or trialkylsilyl),  $C_1$ - $C_6$ alkoxy (being optionally substituted by one or more of halogen),  $C_2$ - $C_6$ alkenyloxy (being optionally substituted by one or more of halogen),  $C_2$ - $C_6$ alkynyloxy (being optionally substituted by one or more of halogen),  $C_1$ - $C_6$ alkylthio (being optionally substituted by one or more of halogen),  $C_1$ - $C_6$ alkylsulfinyl (being optionally substituted by one or more of halogen),  $C_1$ - $C_6$ alkylsulfonyl (being optionally substituted by one or more of halogen), phenyl (being optionally substituted by one or more of halogen, alkyl, haloalkyl or alkoxy), pyridin-2-yl (being optionally substituted by one or more of halogen, alkyl, haloalkyl or phenyl), pyridin-3-yl (being optionally substituted by one or more of halogen, alkyl, haloalkyl or phenyl), pyridin-4-yl (being optionally substituted by one or more of halogen, alkyl, haloalkyl or phenyl), imidazol-1-yl (being optionally substituted by one or more of halogen, alkyl or alkoxy), pyrazol-1-yl (being optionally substituted by one or more of halogen, alkyl or alkoxy) or  $N(R^4)C(O)R^5$ ,

$R^2$  is polyfluoro $C_1$ - $C_6$ alkyl,

$R^3$  is fluorine, chlorine, bromine or iodine; ethenyl or ethynyl (being optionally substituted by one or more of halogen),

$R^4$  and  $R^5$  are, independently, H,  $C_1-C_6$ alkyl (being optionally substituted by one or more of halogen); or  $R^4$  and  $R^5$  can join together to form a 5 or 6-membered ring,  
Q is a heteroaromatic ring selected from the following ring system; imidazol-1-yl, pyrazol-1-yl, 1,2,3-triazol-1-yl, 1,2,3-triazol-2-yl, 1,2,4-triazol-1-yl, 1,2,4-triazol-4-yl, benzimidazol-1-yl or tetrazol-5-yl groups (being optionally substituted by one or more of halogen, cyano, hydroxy, mercapto, alkyl, haloalkyl, alkoxy, alkoxycarbonyl, amino, alkylamino, haloalkoxy, alkylthio or aralkylthio),  
as the active principle and carrier.